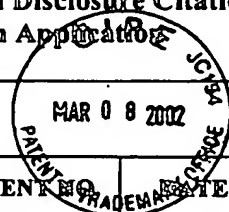


PTO-1449		Application No. 10/028,009		Applicant(s) Paul E. Doucette, et al.		
Information Disclosure Citation In an Application		Docket Number 004578.1147		Group Art Unit Unknown		
		Filing Date December 21, 2001				
MAR 08 2002 U.S. PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
✓	A	3,887,918	06/03/1975	Bailey		
✓	B	4,688,045	08/18/1987	Knudsen		
✓	C	4,749,995	06/07/1988	Hopwood, et al.		
✓	D	4,886,069	12/12/1989	O'Donnell		
✓	E	5,084,708	1/28/1992	Champeau, et al.		
✓	F	5,223,843	06/29/1993	Hutchinson		
✓	G	5,271,034	12/14/1993	Abaunza		
✓	H	5,414,433	05/09/1995	Chang		
✓	I	5,461,389	10/24/1995	Dean		
✓	J	5,764,187	06/09/1998	Rudish, et al.		
✓	K	5,943,010	08/24/1999	Rudish, et al.		
✓	L	6,031,485	02/29/2000	Cellai, et al.		
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES NO
✓	M	2 130 798 A	06/06/1984	UK		--
✓	N	2 313 711 A	12/03/1997	UK		--
✓	O	WO-01/67548 A2	09/13/2001	PCT		--
	P					
	Q					
DOCUMENT (Including Author, Title, Source, Pertinent Pages, and Date)						
✓	R	Thompson, Rick et al., "An 8-Bit 2-Gigasample/Second A/D Converter Multichip Module for Digital Receiver Demonstration on Navy AN/APS-145 E2-C Airborne Early Warning Aircraft Radar", IEEE Trans on CPMT Part B, vol. 21, No. 4, 11/1998, pp. 447-462.				
✓	S	Brinegar, C., et al. "Design of an Integrated RF Filter for the Direct Digitization Front End of a Dual GPS/GLONASS Software Radio Receiver", IEEE RAWCON '98 Proceedings, 8/1998, cover sheet and pp. 277-280.				
✓	T	Ho, K.C., et al., "A Digital Quadrature Demodulation System", IEEE Trans. on AES, Vol. 32, No. 4, 10/1996, pp. 1218-1227.				
EXAMINER			DATE CONSIDERED			
[Signature]			8/19/05			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						
U.S. PATENT AND TRADEMARK OFFICE						

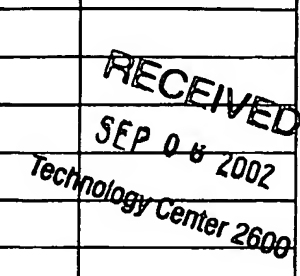
PTO-1449		Application No. 10/028,009		Applicant(s) Paul E. Doucette, et al.	
Information Disclosure Citation In an Application		Docket Number 004578.1147		Group Art Unit Unknown	
		Filing Date December 21, 2001			
MAR 08 2002 U.S. PATENT DOCUMENTS					
		DOCUMENT NO.	DATE	NAME	CLASS
X-19	U	6,052,085	04/18/2000	Hanson, et al.	
X-18	V	6,141,371	10/31/2000	Holmes, et al.	
X-17	W	6,191,735	02/20/2001	Schineller	
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FOREIGN PATENT DOCUMENTS					
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	GG				
	HH				
	II				
	JJ				
	KK				
DOCUMENT (Including Author, Title, Source, Pertinent Pages, and Date)					
X-16	LL	Brown, A. et al., "Digital Downconversion Test Results with a Broadband L-Band GPS Receiver", IEEE Digital Avionics Systems Conf. 10/1994, cover sheet and pp. 426-431.			
X-15	MM	Eerola, V. et al., "Direct Conversion Using Lowpass Sigma-Delta Modulation", Proc. IEEE Int'l Symposium on Circuits and Systems, 5/1992, cover sheet and pp. 2653-2656.			
X-14	NN	Steyskal, Hans, "Digital Beamforming at Rome Laboratory", Microwave Journal, U.S. Horizon House, Dedham, vol. 176, No. 2, 02/1996, pages 100, 104, 107-8, 110, 113-4, 116, 119-120, 122, 124, 126.			
EXAMINER		DATE CONSIDERED			
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EXAMINER: Initial if citation considered; whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.					
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PTO-1449 Information Disclosure Citation In an Application		Application No. 10/028,009 Docket Number 004578.1147		Applicant(s) Paul E. Doucette, et al. Group Art Unit Unknown		Filing Date December 21, 2001	
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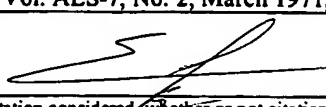
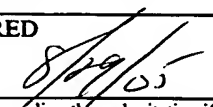
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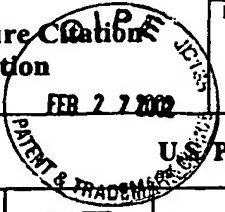
	DOCUMENT NO.	DOCUMENT (Including Author, Title, Source, Pertinent Pages, and Date)
	DDD	U.S. Serial No. 09/519,069, filed March 3, 2000, entitled "DIGITAL PHASED ARRAY ARCHITECTURE AND ASSOCIATED METHOD", by inventor Gary A Frazier, text pages 1-31 and 3 drawing sheets. (Attorney Docket RAYT:009, case 37323).
	EEE	Wong, A.C.C., "Radar Digital Beamforming", Standard Telecommunication Laboratories, Harlow, Essex, U.K., Military Microwaves Conference 1982, 10/20/83, cover sheet and pp. 287-294.
	FFF	Caputi, William J., "Stretch: A Time-Transformation Technique", IEEE Transactions on Aerospace and Electronic Systems, Vol. AES-7, No. 2, March 1971, pp. 269-278.

EXAMINER 	DATE CONSIDERED 
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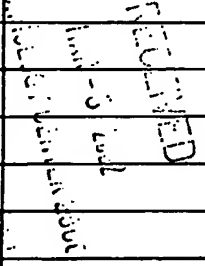
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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PTO-1449 Information Disclosure Citations In an Application		Application No. 10/028,009 Docket Number 004578.1147		Applicant(s) Paul E. Doucette, et al. Group Art Unit Unknown		Filing Date December 21, 2001	
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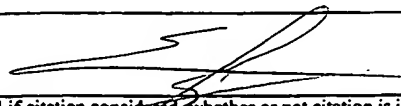
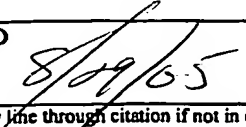


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✓	A	4,839,652	06/13/89	O'Donnell, et al.			
✓	B	4,983,970	01/08/91	O'Donnell, et al.			
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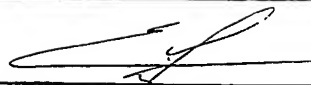
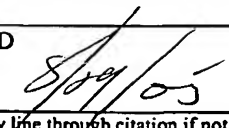
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	N						-	
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DOCUMENT (Including Author, Title, Source, Pertinent Pages, and Date)	
✓	R U.S. Serial No. 09/567,543, filed May 5, 2000, entitled "PHASED ARRAY ANTENNA DATA RE-ALIGNMENT", by inventors G. Van Andrews, et al., 22 pages of text and 4 drawing sheets. (Attorney Docket No.004578.1005, 99E016). S T

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PTO-1449 Information Disclosure Citation in an Application		Application No. Unknown Docket Number 004578.1147		Applicant(s) Doucette, Paul E., et al. Group Art Unit Unknown		Filing Date 12/21/2001	
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							YES NO
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	M						
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NON-PATENT DOCUMENTS							
DOCUMENT (Including Author, Title, Source, and Pertinent Pages)							
	O	U.S. Patent Application Serial No. 09/478,035, filed January 5, 2000, by inventors James R. Toplicar et al., entitled "METHOD AND APPARATUS FOR A DIGITAL PHASED ARRAY ANTENNA". (Attorney References: 99E080; 004578.0985)					
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PTO-1449

Application No.

10/028,009

Applicant(s)

Paul E. Doucette, et al.

Docket Number

004578.1147

Group Art Unit

Unknown

Filing Date

December 21, 2001

Information Disclosure Citation
in an Application

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
A	5,517,529	05/14/96	Stehlik	—	—	—
B	6,160,505	12/12/00	Vaishampayan	—	—	—
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FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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M						--	
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DOCUMENT (Including Author, Title, Source, Pertinent Pages, and Date)

R	Brown, et al., "Digital L-Band Receiver Architecture With Direct RF Sampling", IEEE Position Location and Navigation Symposium, April 1994, pages 209-216 plus IEEE abstract sheet.
S	Song, William S., "A New 3-GSPS 65-GOPS UHF Digital Radar Receiver and Its Performance Characteristics", Thirty-First Asilomar Conference on Signals, Systems & Computers, November 1997, Vol. 2, pages 1542-1546 plus IEEE abstract sheet.
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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DAL01:702405.1

PTO-1449

Application No.

10/028,009

Applicant(s)

Paul E. Doucette, et al.

**Information Disclosure Citation
In an Application**

Docket Number

004578.1147

Group Art Unit

2821

Filing Date

December 21, 2001

U.S. PATENT DOCUMENTS

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DOCUMENT (Including Author, Title, Source, Pertinent Pages, and Date)

<input checked="" type="checkbox"/>	R	Guirong, et al. "Mixer-free All Digital Quadrature Demodulation", IEEE Proceedings of the Fourth International Conference on Signal Processing (ICSP), October 12, 1998, Vol. 2, pages 1704-1707 and an index sheet.
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